TRIBUTARIES®
Bringing it all **together**

UNIVERSAL DIGITAL/ANALOG
AUDIO CONVERTER
Digital Coax, Toslink Optical and 2 Channel Analog R/L

TRIBUTARIES®
Bringing it all **together**

AC200
Universal Digital / Analog
Audio Converter

www.tributariescable.com

5. Audio Performance Level

5.1 Analog Audio Input

Level	Output	Reference Level	Output T.H.D+N	Signal to Noise Ratio
2Vrms 1KHz	L/R	1Vrms + 0.05dB	0.01 % ↓	> 90dB
	Coax	0 dB - 0.35dB	0.01 % ↓	> 90dB
	Optical	0 dB - 0.35dB	0.01 % ↓	> 90dB

5.2 Digital Coax Input

Level	Output	Reference Level	Output T.H.D+N	Signal to Noise Ratio
0dBFS 1KHz	L/R	1Vrms + 0.05dB	0.01 % ↓	> 90dB
	Coax	0 dB - 0.35dB	0.01 % ↓	> 90dB
	Optical	0 dB - 0.35dB	0.01 % ↓	> 90dB

5.3 Digital Optical Input

Level	Output	Reference Level	Output T.H.D+N	Signal to Noise Ratio
0dBFS 1KHz	L/R	1Vrms + 0.05dB	0.01 % ↓	> 90dB
	Coax	0 dB - 0.35dB	0.01 % ↓	> 90dB
	Optical	0 dB - 0.35dB	0.01 % ↓	> 90dB

6. Audio Input to Output Comparison Chart

LPCM 2CH Input:	Output	Output Format	Notes
Analog Stereo L/R or Digital Coax or Digital Optical	L/R	Analog 2CH	0.01 % ↓
	Coax	LPCM2CH (48KHz)	0.01 % ↓
	Optical	LPCM2CH (48KHz)	0.01 % ↓
LPCM 2CH Input:	**Output**	**Output Format**	**Notes**
Digital Coax or Optical	L/R	Does not Support	Odd sound
	Coax	LPCM 2CH/AC3/DTS	Bypass
	Optical	LPCM 2CH/AC3/DTS	Bypass

1. Introduction
Tributaries AC200 is a bi-directional Audio convertor. With three different types of connections, digital coax, toslink optical and 2 channel analog R/L audio, the AC200 can convert all three signals into any desired format. Analog audio can be converted to digital and digital audio can be converted to analog.
Conversion is done simultaneously without signal loss and provides 3 clean split audio signals all available on the output end. The AC200 is easy to install and use.

2. Features
• Integrated digital filter and Digital -to-Analog Convertor (DAC)
• Integrated Analog-to-Digital Convertor (ADC)
• Supports sampling frequencies from 16 to 100KHz
• Provides electromagnetic noise free transmission
• Easy to install and use
• Compact design

3. Package Contents
• AC200 Universal Digital / Analog Audio Convertor
• 5V Universal Power Supply

TRIBUTARIES®
Bringing it all together

UNIVERSAL DIGITAL/ANALOG
AUDIO CONVERTER
Digital Coax, Toslink Optical and 2 Channel Analog R/L

AC200

Table of Contents

6. Connection and Installation

BLU RAY OR

DVD PLAYER OR

SET-TOP BOX

OPTICAL
COAXIAL
L/R

OPTICAL
COAXIAL
L/R

AMPLIFIER OR

TV
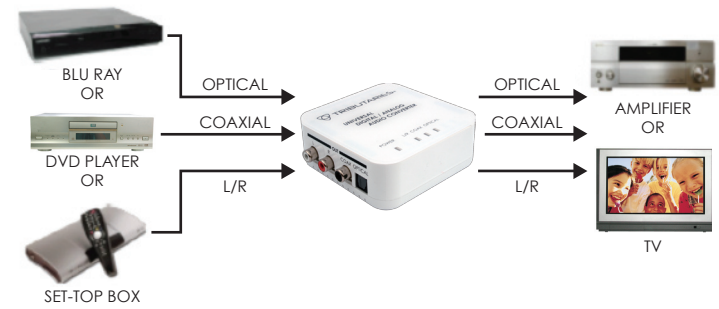
7. Specifications

1. Input Ports: Optical, Coaxial and L/R Analog Audio
2. Input Formats: Toslink, SPIDIF and LPCM 2CH
3. Sample Frequency: 32kHZ, 44.1KHz, 48KHz and 96KHz
4. Output Ports: Optical, Coaxial and L/R Analog Audio
5. L/R Input Impedance: 47K
6. L/R Output Impedance: 47K
7. Power Supply: 5V/ 1A, Universal Power Supply CE/FCC/ UL Certified
8. Dimensions: 3.8"(W) x 3.4"(D) x 1.4"(H)
9. Weight (g):   4.25 oz.
10. Operating Temperature: 32F - 104F
11. Storage Temperature: -4F - 140F

## 4. Operation Controls and Functions

4.1 Top Indicator Panel

UNIVERSAL DIGITAL / ANALOG AUDIO CONVERTER

POWER   L/R   COAX   OPTICAL

①   ② ③ ④
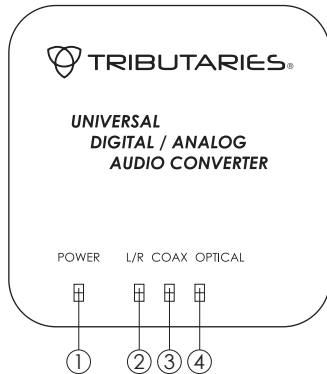
① Power LED Indicator light: When the LED is green the AC200 is on, a RED light indicates the AC200 is off.

② Analog LED Indicator light: The blue LED will illuminate when the L/R input is selected.

③ Digital Coax Audio LED Indicator light: The blue LED light will illuminate when the COAX input is selected.

④ Optical LED Indicator light: The blue LED will illuminate when the Optical input is selected.

4.2 Right Input Panel

IN
OPTICAL   COAX   L   R

①   ②   ③
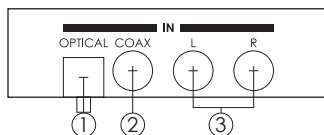
① Optical Input: Using an Optical cable connect to the Optical output of your source equipment.

② Coax Input: Using a 75 ohm digital coaxial cable connect to the Digital Coax output of your source equipment.

③ L/R Input: Using an Analog Audio pair connect to the L/R output of your source equipment.

4.3 Left Output Panel

OUT
L   R   COAX   OPTICAL

①   ②   ③
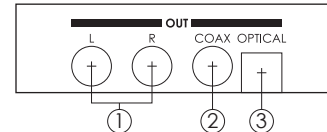
① L/R Output: Using an Analog Audio pair connect to the L/R Input of your equipment such as TV, Receiver or Amplifier.

② Coax Output: Using a 75 ohm digital coaxial cable connect to the Digital Coax Input of your equipment such as TV, Receiver or Amplifier.

③ Optical Output: Using an Optical cable connect to the Optical Input of your equipment such as TV, Receiver or Amplifier.

4.4 Back Input Selection Panel

DC 5V   INPUT SELECT
         COAX   POWER
     OPTICAL   L/R

①   ②   ③
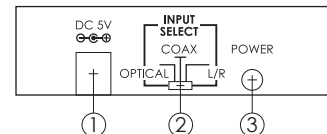
① DC 5V: Connect the 5 volt power supply (included) to your AC outlet.

② Input Selector: Use this switch to select appropriate input from Optical, Coaxial or L/R audio.

③ Power Button: Push this button to turn power on or off.